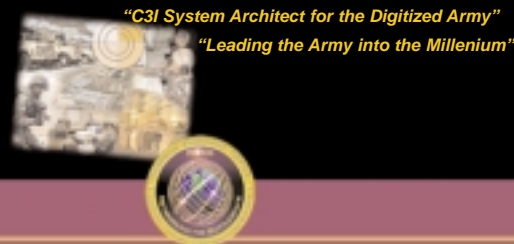


Single Channel Tactical Satellite Communication Terminals - Spitfire and SCAMP

PROJECT MANAGER MILSATCOM



MISSION

Single channel tactical satellite communications (TACSAT) systems are to achieve secure voice and data service connectivity for beyond line of sight (BLOS) missions in support of the warfighter at the lower tactical echelons.

DESCRIPTION AND SPECIFICATIONS

Military Satellite Communications (MILSATCOM) includes satellites, satellite terminals, satellite control subsystems, communications subsystems, and all related equipment. Single channel MILSATCOM projects consist of the following:

The AN/PSC-5 **Spitfire** Ultra High frequency (UHF) Manpack Terminal supports the Army, Air Force, Marine Corps, and Special Operations Forces (SOF) units' requirements for use on the 5 and 25 kHz channels of the UHF Follow-On (UFO) satel-



Spitfire

lites and the 25 kHz channels of the FLTSAT, NATO and LEASAT satellites. The Spitfire has embedded Communications Security and 5/25 kHz Demand Assigned Multiple Access (DAMA) capability and will replace the existing inventory of single channel SATCOM radios. It is highly mobile, easy to operate and weighs 11 pounds including battery.

The AN/PSC-11 **Single Channel Anti-jam Manportable (SCAMP)** Block I is a manportable, battery-powered terminal that provides 4 channel LDR secure voice at 2400 bps and secure data at 75-2400 bps through the use of the Extremely High Frequency (EHF) Milstar satellite. This capability provides worldwide, two-way, anti-jam, low-probability-of-intercept detection, secure voice, and data communications through all levels of conflict and crisis. The terminal weighs 44 pounds within the transit case and is delivered with an accessory case which includes an external power adapter, speaker and assorted baseband cables. Development is underway for technologies leading to an objective SCAMP Block II, 12-15 pounds, manportable terminal.

FOREIGN COUNTERPART

No known foreign counterpart.

FOREIGN MILITARY SALES

None.

SCAMP Block I



SCAMP Block II



PROGRAM STATUS

SCAMP Block I: Completed Follow-on Operational Test and Evaluation (FOTE), October/ November 1998, Limited User Test (LUT), Oct/Nov 99.

Spitfire: Fielding ongoing.

PROJECTED ACTIVITIES

SCAMP Block I: Fielding seventeen to First Digitized Division (FDD) in 3QFY00

Spitfire: Sixty-seven Spitfires to be provided to FDD in 2QFY00.

PRIME CONTRACTOR(S)

SCAMP Block I: Rockwell Collins, Inc. (Richardson, TX)

Spitfire: Raytheon (Ft Wayne, IN)

POINTS OF CONTACT



Project Manager
Milsatcom
ATTN:SFAE-C3S-MSA
Building 909
Fort Monmouth, NJ 07703-5508
732-532-9767 x4001

TRADOC System Manager
US Army Signal Center
ATTN: ATZH-TS
Fort Gordon, GA 30905
706-791-7490